

ATLAS POWERED ASCENDER (APA-5)



DESCRIPTION

APA-5 Series

Higher, Faster, Safer...**Stronger, Deeper**

The Atlas Devices APA-5 system is reigning veteran model APA series power lifter with the full range of capability from 30m deep dive (s-model), aircraft hoist airworthiness (s and A-model), 800kv live line bond capable rescue hauler series (u model). The APA-5 series has the broadest range of accessories and configurable options.

The APA-5 is a rugged, battery operated ascender that integrates into current SOPs and COTS climbing equipment. Whether operating at maritime depth, in a desert dust storm, 100' AGL in a helicopter, or live bonding transmission lines, the APA-5 is a force multiplier that effortlessly reduces time and exposure during vertical operations.

Lightweight and powerful, the APA-5 lifts up to 600 lbs directly, handles ropes from 6.5-11 mm in diameter, operates at maritime depth, and has a hot-swappable battery.

CAPABILITIES AND SPECIFICATIONS

PN: 01486 (Body) + (PN: 01489 standard battery)

Brand: Atlas Devices

Material Construction: Aluminum

Weight Without STD Battery: 14.8 lbs / 6.7 kg

Weight With STD Battery: 22.3 lbs / 10 kg

Dimensions Without STD Battery: 10.7 x 5 x 10.5 in / 27.2 x 12.7 x 26.7 cm

Dimensions With STD Battery: 10.7 x 5 x 14.5 in / 27.2 x 12.7 x 36.8 cm

Typical Reach Height: 1400 ft / 427 m

Ascender

- Weight: 14.8 lbs / 6.7 kg
- Max direct lift capacity: 600 lbs
- Ascent/descent speed: Variable
- Intuitive power tool-like operation

Standard Battery (PN: 01489)

- Weight: 7.25 lbs / 3.3 kg
- Ascent distance per charge, single user: 700ft @ 250 lbs
- Submergence rating allows connect/disconnect at depth
- Ergonomic design for interchange during operation
- Redundant mechanical interlock
- Interchangeable battery

Rope

- Standard Rope Diameter: 9-11mm static Technora kernmantle Toughline Rope
- Smaller rope diameter capability: Optional for 6.5-11mm

Environmental

- Operational seawater depth rating
- Operating Temp Range: -10° F to +120° F

Safety

- Fully tensile load-rated housing
- Ergonomic safety interlock for operation
- Emergency mechanical descent without battery
- Non-volatile battery if punctured by ballistic

Options

- Remote Control (wireless or wired)
- High-speed ascent (lower max lift capacity)
- Multi-diameter rope capability in single configuration
- Extended life battery

Certifications

- Meets relevant IMCA Standards for safe use of electricity underwater
- Meets relevant standards for Safe Use of Energized System at Operational Maritime Depth by U.S. Navy Experimental Diving Unit
- NAVSEA 9310 Certified by US DoD
- US DoD Test and Evaluation Command Safety Confirmation – Certification for Operational Use
- Environmental: MIL-STD 810F, MIL-STD 167
- Meets ANSI Z359.4

RECOMMENDED MISSION PROFILES

VBSS: Surface, Subsurface, Goplat, Tagline

Dive Operations: Boarding, Powered Ascent, Tagline

Rescue: High Angle, Airborne, Swift Water/Flood, Disaster Response, Maritime, Confined Space

Urban: Hook and Climb, RECCE/SNOT, EOD, Emergency Bailout, Industrial

Mountain: Alpine/Rock, Snow/Glacier, Adobe/Softwall

Airborne: Aircraft Hoisting, Rotary Wing Aircraft, Fixed Wing Aircraft Recovery

CONFIGURATIONS



AIRCRAFT HOIST

WHAT YOU NEED:

P/N: 09451-AK-APA-5 (Kit)

P/N: 01763-ATL-150FT-10.5MM (Atlas Toughline Static Rope, 10.5 mm)



GROUND LOADED WINCH

WHAT YOU NEED:

P/N: 09451-AK-APA-5 (Kit)

P/N: 01763-ATL-150FT-10.5MM (Atlas Toughline Static Rope, 10.5 mm)



RESCUE HAULER

WHAT YOU NEED:

P/N: 09451-AK-APA-5 (Kit)

P/N: 01763-ATL-150FT-10.5MM (Atlas Toughline Static Rope, 10.5 mm)

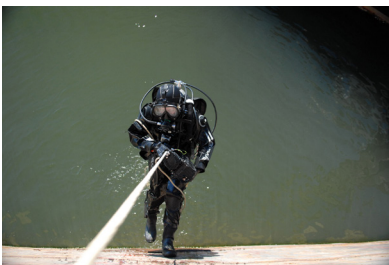


ENERGIZED

WHAT YOU NEED:

P/N: 07315-AK-APA-5 (Kit)

P/N: 01763-ATL-150FT-10.5MM (Atlas Toughline Static Rope, 10.5 mm)



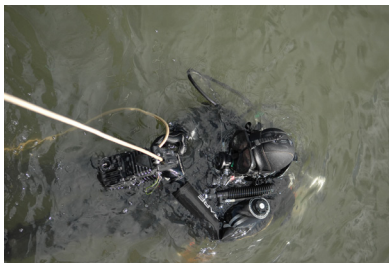
VBSS (Med)

WHAT YOU NEED:

P/N: 09451 -AK-APA-5 (Kit)

P/N: 04818-ATL-150FT-6.5MM (Atlas Toughline Static Rope, 6.5 mm)

P/N: 07372-2 COMPACT LAUNCHER (Kit)



SUBMERSIBLE

WHAT YOU NEED:

P/N: 09451 -AK-APA-5 (Kit)

P/N: 04818-ATL-150FT-6.5MM (Atlas Toughline Static Rope, 6.5 mm)

P/N: 07372-2 COMPACT LAUNCHER (Kit)

CAPABILITIES



VBSS (High)

WHAT YOU NEED:

P/N: 09451 -AK-APA-5 (Kit)

P/N: 04818-ATL-150FT-6.5MM (Atlas Toughline Static Rope, 6.5 mm)

P/N: 07376-1 LAUNCHER (Kit)



GOPLAT

WHAT YOU NEED:

P/N: 09451 -AK-APA-5 (Kit)

P/N: 04818-ATL-150FT-6.5MM (Atlas Toughline Static Rope, 6.5 mm)

P/N: 07376-1 LAUNCHER (Kit)



RESCUE

WHAT YOU NEED:

P/N: 09451 -AK-APA-5 (Kit)

P/N: 01763-ATL-150FT-10.5MM (Atlas Toughline Static Rope, 10.5 mm)

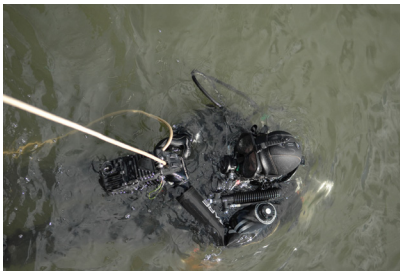


AIRBORNE

WHAT YOU NEED:

P/N: 09451 -AK-APA-5 (Kit)

P/N: 01763-ATL-150FT-10.5MM (Atlas Toughline Static Rope, 10.5 mm)



DIVE OPERATIONS

WHAT YOU NEED:

P/N: 09451 -AK-APA-5 (Kit)

P/N: 04818-ATL-150FT-6.5MM (Atlas Toughline Static Rope, 6.5 mm)

P/N: 07372-2 COMPACT LAUNCHER (Kit)